



LEVELSYSTEM CAMPER



Remote control • Mobile home

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Important

This equipment has been tested and found to comply with the limits valid for this device, pursuant to EN300220, EN301489, EN60950 rules conform 868MHZ. These limits are designed to provide reasonable protection against harmful interference when this product is operated in a commercial environment. Any unauthorized changes or modifications to this device could void the user's authority to operate this equipment.

For CE-countries:

This device is in conformity with the CE standards. Please note that this device can ONLY be used with the official E&P Hydraulics level system parts to conform to these standards.

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Preface

The E&P Hydraulics Remote control combines the demand for fixed (built in operating unit) and remote controlled operation of the Mobile home level system. The ergonomic design ensures effortless handling and the sympathetic good looks will automatically enhance your working environment.

It is based on proven E&P Hydraulics technology which forms the basis of all our E&P Hydraulics products. After installation one button operates the entire system.....

Within the E&P Hydraulics strategic vision this products is 100% user friendly and reliable.

This philosophy does not only apply to our customers (end users). The technicians installing this device/system at the dealers are also very important to us. This product greatly depends on a proper, professional installation. That's the reason why E&P Hydraulics do all they can do to support the people who are responsible for installing our products for you.

This manual is part of our policy. In this manual we explain the general features and how to install this product as simply as possible to the E&P Hydraulics level system as properly and efficiently as possible.

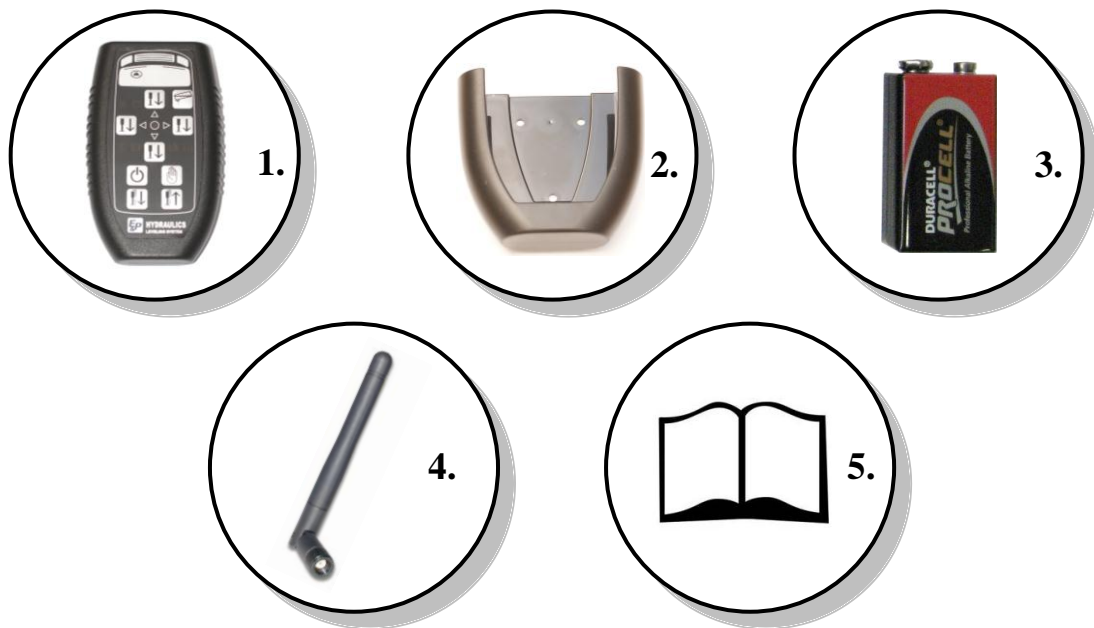
Precisely follow these instructions for the installation, because installing the E&P Hydraulics system is a precise job. Fully installing the system requires a high level of skill. After all, we are dealing with equipment that must be able to withstand huge forces, something that is often underrated by people with insufficient technical training. If the installation is not performed correctly, serious damages could result in a short time, and even personal injury. Therefore this system may only be installed by professional technicians with sufficient practical experience and a thorough relevant technical training. At all times, the installer will bear sole responsibility for the assembly of the system.

This document is based on hundreds of test hours as well as many successful installations. If you follow this manual step-by-step, you will see what a wonderful, user friendly, quality product this is. However, there will always be aspects that can be improved. If you have any suggestions, remarks or questions concerning this product or manual, please do not hesitate to contact us.

On behalf of E&P Hydraulics

1.1 Unpacking the remote control

Remove the remote control and its accessories from the box and packing material. Refer to the packing list to make sure you have received all the items ordered. Visually inspect the remote control and accessories for any evidence of physical damage. Immediately contact E&P Hydraulics if anything appears to be damaged.



Contents:

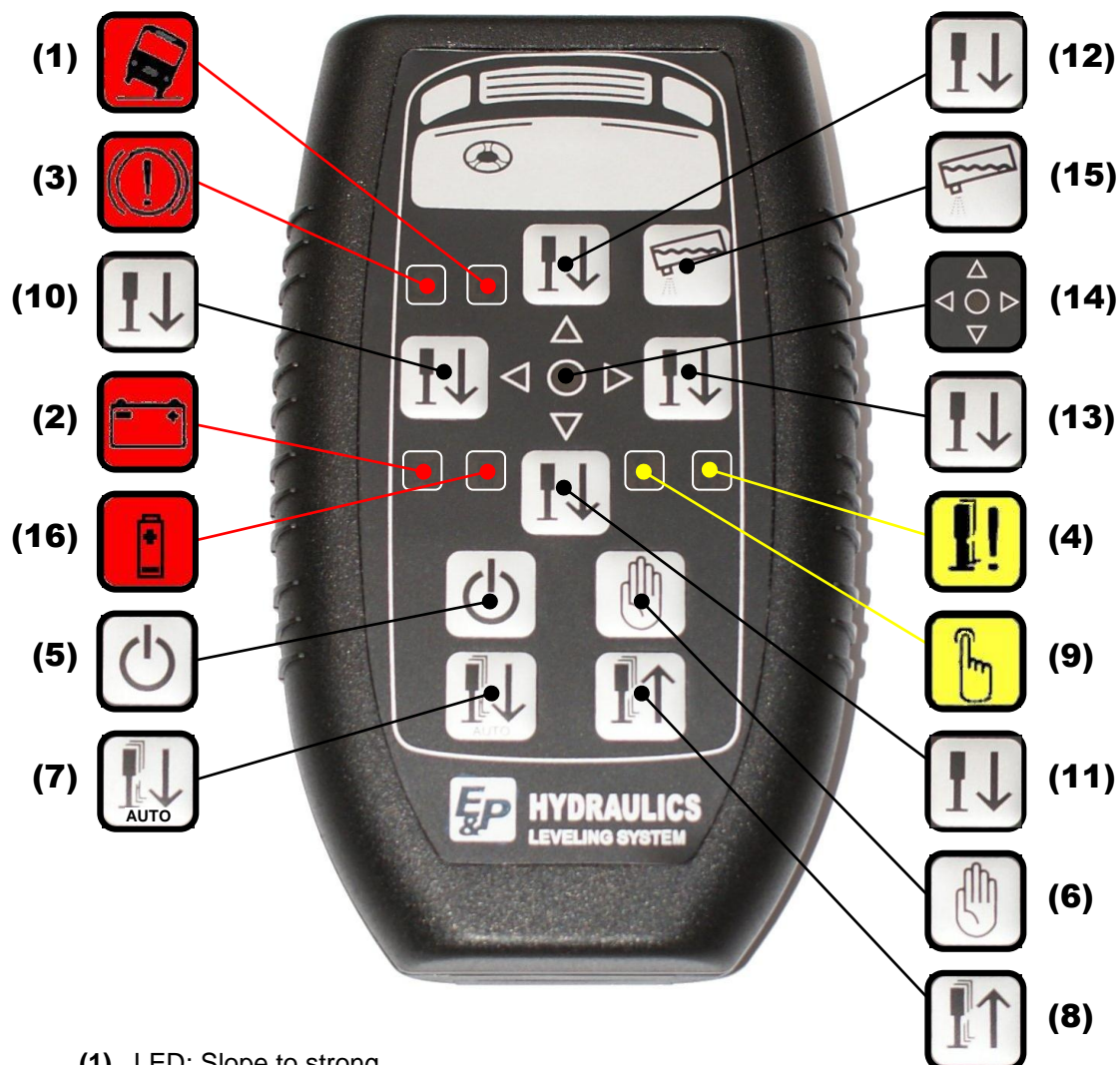
1. Remote control
2. Holder
3. Battery (9V)
4. Antenna (premounted)
5. Manual

Attention:

- Details may differ from the illustration above, but functionality should be identical.
- If the Remote control is delivered as a part of the complete system, this manual can be replaced by the manual belonging to the complete levelling set.

1.2 Specific features of the remote control

Top view remote control mobile home



(1) LED: Slope to strong

(2) LED: Battery Low voltage

(3) LED: Engage the handbrake

(4) LED: Jacks not (fully) retracted

(5) Button: ON / OFF

(6) Button: Manual mode

(7) Button: Automatic mode on

(8) Button: Retract all Jacks

(9) LED: Manual mode

(10) Button: Left side

(11) Button: Rear side

(12) Button: Front side

(13) Button: Right side

(14) LED: Level indicator

(15) Button: Inclination function

(16) LED: Remote control Battery Low

1.3 Product labelling

The product CE label is present on the back side of the product as indicated in the illustration below. Another registration label is not directly visible, but is located inside the product, behind the battery cover. All labels are attached by the manufacturer and should not be removed.



For traceability and warranty administration the registration number label is placed inside the product, to be sure it remains undamaged. This official registration number is directly related to the device. E&P Hydraulics or the dealer may ask for this number (e.g. when the product needs to be serviced), so please familiarise yourself with it.

Changing battery

Remove the battery cover by firmly pressing, then sliding out and lifting the cover from the casing. Insert the battery and carefully mount the battery cover.

2. Installation / Programming

- **Step 1.** In order to pair the remote control to the system, remove the fuse (15Amp.) out of the cable assembly from the hydraulic levelsystem or disconnect the 9 pins cable connector from the main unit. (do this by gently pressing the two hooks on the side of the connector)

Extra note: When using a 24V system remove the 6p. cable connector from the main unit.



- Step 2.** Press the Buttons “**deploy jacks automatically**” (no. 7) and “**retract all jacks**” (no. 8) **simultaneously** for at least 1 second.



When done the Indicator LED (no. 14) with the surrounding 4 arrows starts blinking GREEN / ORANGE nervously.

This means the remote control is looking for its receiver (mounted within the main unit).

- Step 3.** Depending on what action you performed under step1, reconnect the 9 pin connector, the 6 pin connector or the fuse to the system.

Extra Note!

The pairing process should be made within a certain time (apr. 20 sec.)

- The remote control turns off automatically.
- When the Indicator LED goes off the pairing process is guaranteed.



- Step 4.** Turn the remote control ON by pressing button “**on/off**” (no. 5) for at least 1 second.



Now the GREEN LED between the four arrows in the middle will light up by flashing. As long as you see this LED flashing, the remote control is searching for contact with the main unit. When contact is made, the flashing stops.

By means of illumination of one or two ORANGE arrows the remote control shows in which way your vehicle is leaning. Or the GREEN LED

There could be $8 + 1 = 9$ possibilities.



Using the Remote control:

After programming your remote control, you now have two options to level your Mobile home. Operating your system by the remote control or the (built in) control panel.

The operation is described in the E&P Hydraulics User's Guide of the Mobile home.

3. Specifications

Electrical:

Power 9V. PP3 (battery)

Compatibility:

868MHz.

EN300220 – EN301489 – EN60950

Physical:

Weight (remote control) 145 Gr.

Weight (holder) 10 Gr.

Dimensions:

Length x Width x Height 140 x 83 x 24 mm.

Environmental:

Operating temperature -20°C / + 40°C

Humidity 20% 95% RH (non-condensing)

4. Users advices (tips)

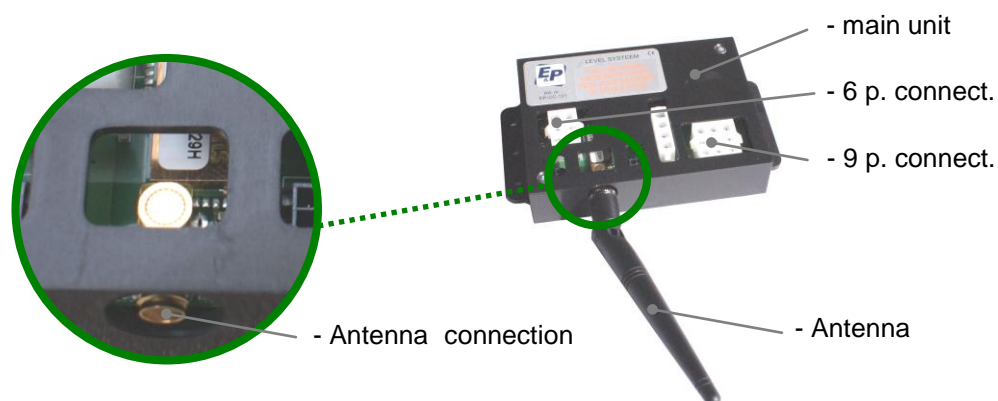
4.1 Antenna (receiving range)

It may be that the main unit is built in such a way that receiving a signal between the remote control and the main unit works poorly or even not at all (caused by vehicle construction materials e.g. steel, wood, plastics, etc.).

In this case there is a possibility to move the antenna away from the main unit by means of an optional extension cable (length max. 2 metre, available from E&P Hydraulics).

4.2 Upgrading your existing system

An upgrade of the system must be made if the system was installed or purchased before 2013. When using a remote control with a system installed or purchased before this date, you need to replace the main unit with an updated version of the main unit (incl. antenna socket).



4.3 Which device takes command

The device which is operated first (remote control or control panel) takes the command to control the system, until that device is switched off.

If you would like to switch from one control device to another, you need to switch off the power from the device that was in operation first.

In the event of switching off the remote control, you have to wait a little time, to give the system enough time to switch off contact between the remote control and the main unit.

4.4. Low Battery level indicator

When the battery level indicator LED (no. 16) lights RED, the device does not stop working immediately. After this signal it is possible to use the remote control another 4 times.

Make sure there is a spare battery in the vehicle.



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Made in Holland
